

ABSTRACT

An improved electrostatic generator comprising a pair of contra-rotating disks, each bearing a plurality of conducting sectors, similar to the prior art Wimshurst generator. A plurality of grounding conductors with brushes at each end are associated with each of two counter-rotating disks, each grounding conductor alternately grounding a pair of opposing charge plates on each disk as it rotates. The generator also includes a pair of output terminals each having a brush at one end for electrical connection to the charge plates on one of the disks. Upon counter-rotation of the pair of disks, the grounding conductors induce each charge plate to accumulate a logarithmically-increasing charge until they are discharged to the next output terminal. The accumulating charge makes the device far more efficient than a conventional Wimshurst generator.